

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method for setting a playback environment for a recording medium, the method comprising:

loading a start-up file into a temporary storage area, the start-up file including server access information;

setting a system environment according to system environment elements prior to reproducing A/V data recorded on the recording medium,

wherein the system environment elements correspond to at least one of playback right information, region code information, language information of the additional contents, and memory management information,

wherein the memory management information identifies a space of the temporary storage area for storing at least one of the start-up file and the additional contents,

wherein the additional contents are differently designated according to the playback right information or the region code information;

determining an availability of the additional contents based on control data received through a communication network from an external server, the external server storing the additional contents;

~~determining availability of additional contents associated with audio/video (A/V) data recorded on the recording medium, based on control data recorded on the recording medium or received through a communication network from an external server, said control data comprising system environment elements used for the additional contents, the system environment elements being included in the start-up file and comprising at least one of information associated with a~~

~~playback right, a region code, a language of the additional contents and memory management information, the memory management information associated with a space of the temporary storage area for storing at least the start-up file;~~

storing the additional contents in the temporary storage area as a result of the determining step; and

reproducing the A/V data and the additional contents loaded in the temporary storage area according to the control data,

wherein said additional contents includes at least one of an HTML file, an image file and a sound file.

2-3. (Cancelled)

4. (Previously Presented) The method of claim 1, further comprising:

storing the control data in the temporary storage area, prior to the A/V data being reproduced.

5. (Previously Presented) The method of claim 1, further comprising:

loading the control data into the temporary storage area prior to loading the additional contents in the temporary storage area.

6-16. (Cancelled)

17. (Original) The method of claim 1, wherein at least a portion of the additional contents associated with the A/V data is preloaded in the temporary area in advance of reproducing the A/V data, so that the A/V data can be seamlessly reproduced in synchronization with respective additional contents.

18-20. (Cancelled)

21. (Previously Presented) The method of claim 1, wherein the step of storing the additional contents comprises:

setting a language of the additional contents; and

allocating a space in the temporary storage area based on the control data to store the additional contents.

22. (Previously Presented) The method of claim 21, further comprising:

processing setup information designated within the control data, the setup information comprising information related to a menu screen.

23. (Cancelled)

24. (Original) The method of claim 1, wherein the step of reproducing the A/V data comprises:

synchronizing reproduction of the additional contents and the A/V data.

25. (Previously Presented) The method of claim 1, wherein the step of storing the additional contents comprises:

preloading the additional contents in the temporary storage area in advance of reproducing the A/V data recorded on the recording medium.

26. (Cancelled)

27. (Original) The method of claim 1, wherein new additional content is preloaded in the temporary storage area as storage space in the temporary storage area becomes available when the additional content stored in the temporary storage area is reproduced.

28-30. (Cancelled)

31. (Currently Amended) A non-transitory computer-readable recording medium, comprising instructions configured to cause a device to perform the following steps:

load a start-up file into a temporary storage area, wherein the start-up file includes server access information;

set a system environment according to system environment elements prior to reproducing audio/video (A/V) data recorded on the recording medium,

wherein the system environment elements correspond to at least one of playback right information, region code information, language information of additional contents associated with the A/V data, and memory management information,

wherein the memory management information identifies a space of the temporary storage area for storing at least one of the start-up file and the additional contents, and

wherein the additional contents are differently designated according to the playback right information or the region code information;

determine an availability of the additional contents based on control data received through a communication network from an external server, the external server storing the additional contents;

~~determine availability of additional contents associated with audio/video (A/V) data recorded on the recording medium, based on control data recorded on the recording medium or received through a communication network from an external server, said control data comprising system environment elements used for the additional contents, the system environment elements being included in the start-up file and comprising at least one of information associated with a playback right, a region code, a language of the additional contents and memory management information, the memory management information associated with a space of the temporary storage area for storing at least the start-up file;~~

store the additional contents in the temporary storage area as a result of the determining step; and

reproduce the A/V data and the additional contents loaded in the temporary storage area according to the control data,

wherein said additional contents includes at least one of an HTML file, an image file and a sound file.

32. (Cancelled)

33. (Previously Presented) The computer-readable medium of claim 31, wherein the control information comprises an address of a content provider remotely accessible through a communications network.

34. (Previously Presented) The computer-readable medium of claim 31, wherein the start-up information comprises access information for accessing the additional contents.

35. (Previously Presented) The computer-readable medium of claim 34, wherein the start-up information is preloaded into a memory within a player, before the A/V data is reproduced by the player.

36. (Previously Presented) The computer-readable medium of claim 31, wherein the start-up information further comprises at least one of information about a playback right of the recording medium, a region code, a language of the additional contents, website connection limitations and memory management.

37-41. (Cancelled)

42. (Previously Presented) The computer-readable medium of claim 31, wherein the start-up information is stored as a markup language file.

43-49. (Cancelled)

50. (Currently Amended) A medium player system, comprising:
a temporary storage with a predetermined capacity and configured to store a start-up file;
an audio/video (A/V) player engine configured to reproduce A/V data recorded on a medium;

an enhanced player engine configured to reproduce additional contents based on a system environment elements recorded on the medium or received through a communication network from an external server, the system environment elements being used for the additional contents, the system environment elements being included in the start-up file and comprising at least one of information associated with a playback right, a region code, a language of the additional contents and memory management information, the memory management information ~~associated with~~identifying a space of the temporary storage for storing at least the start-up file and the additional contents; and

~~a controller configured to control the A/V player engine and the enhanced player engine to reproduce in synchronization with the A/V data and the associated additional contents;~~

a controller configured to

set the system environment elements prior to reproducing the A/V data,

control the temporary storage according to the memory management information,

and

control the A/V player engine and the enhanced player engine to reproduce the A/V data and the associated additional contents in synchronization with each other ,

wherein the start-up file further comprises a plurality of information items for designating additional content categories, the plurality of information items including playback right information or region code information,

wherein said additional contents includes at least one of an HTML file, an image file and a sound file.

51. (Cancelled)

52. (Previously Presented) The player system of claim 50,

wherein the environment elements comprise information about a location where the additional contents can be accessed, and

wherein the controller is configured to access the additional contents based on the information about location.

53. (Previously Presented) The player system of claim 50, wherein the controller is configured to store the environment elements in the temporary storage, prior to the A/V data being reproduced.

54. (Previously Presented) The player system of claim 50,

wherein the start-up file comprises information about the additional contents to be loaded into the temporary storage, before the A/V data is reproduced, and

wherein the controller is configured to identify the information and to load the additional contents into the temporary storage according to the identified information.

55. (Cancelled)

56. (Previously Presented) The player system of claim 50, wherein the temporary storage is in a semiconductor storage device.

57-58. (Cancelled)

59. (Previously Presented) The player system of claim 50, further comprising:
a network interface configured to communicate with an external entity in order to receive information from the external entity and send information to the external entity.

60-70. (Cancelled)